

Authors' Index

- | | | |
|--------------------------------|-------------------------|--------------------------|
| ANDERSON, H. 426 | HAWKINS, E., jr. 383 | QUANTE, M. 350 |
| ARAN, J.-M. 488 | HINCHCLIFFE, R. 65, 446 | RAINVILLE, M. J. 316 |
| BABIGHIAN, G. 21 | HIRSH, S. K. 116 | RODENBURG, M. 319 |
| BAJAJ, J. S. 28 | HOUTGAST, T. 191 | |
| BARR, B. 426 | IGARASHI, Makoto 337 | SALA, O. 21 |
| BEAGLEY, H. A. 470 | KACKER, S. K. 28 | SALOMON, G. 150 |
| BEASLEY, D. S. 262 | KÜPPER, K. 350 | SHARRARD, G. A. W. 103 |
| BECK, O. 150 | KUPPERMAN, R. 318 | SHRINER, T. H. 262 |
| BEL, J. 70 | KUSAKARI, J. 364 | SHULMAN, A. 90 |
| BIRK-NIELSEN, H. 180 | | SJÖGREN, H. 47 |
| BRASIER, Vivienne J. 40 | LAGLER, F. 350 | SOHMER, H. 167 |
| BRIGDEN, D. N. 272 | LENHARDT, M. L. 174 | SOUS, H. 350 |
| BRIX, R. 481 | | SPOOR, A. 193, 221 |
| BURIAN, K. 481 | MACRAE, J. H. 272 | SPRENG, M. 137 |
| | MERLUZZI, F. 65 | STUPP, H. 350 |
| CANUT, Y. 70 | MICHAUX, P. 70 | SÛRIÁN, L. 394, 396, 460 |
| CAUSSE, J. 70 | MIYOSHI, T. 364 | SUZUKI, T. 129 |
| CODY, D. T. R. 1 | MOWRY, H. J. 242 | |
| | MÜLLER, G. 250 | TAPON, J. 70 |
| DAVIS, H. 55, 116, 464 | NAUNTON, R. F. 242 | THALMANN, I. 364 |
| DÉVALD, J. 396 | NEGREVERGNE, M. 488 | THALMANN, R. 364 |
| | NOBLE, W. G. 291 | TOLK, J. 319 |
| EAGLES, E. L. 438 | ODENTHAL, D. W. 191 | TOWNSEND, G. L. 1 |
| EDELMAN, Florence 90 | OSTERHAMMEL, P. A. 116 | |
| EGGERMONT, J. J. 191, 193, 221 | | VASILU, D. I. 101 |
| ELBERLING, C. 150 | PÁLFALVI, L. 396 | VERWEIJ, C. 319 |
| EWERTSEN, H. W. 180, 453 | PLATH, P. 34 | |
| | PLOMP, R. 190 | WALDON, E. F. 14 |
| FEINMESSER, M. 167 | POLS, L. C. W. 192 | WEDENBERG, E. 426 |
| FISCH, L. 411 | PORTMAN, M. 462 | WIER, C. C. 116 |
| GLORIG, A. 540 | | YOSHIE, N. 504 |
| GROEN, J. J. 188 | | ZERLIN, S. 242 |

Authors' Index

- | | | |
|--------------------------------|-------------------------|--------------------------|
| ANDERSON, H. 426 | HAWKINS, E., jr. 383 | QUANTE, M. 350 |
| ARAN, J.-M. 488 | HINCHCLIFFE, R. 65, 446 | RAINVILLE, M. J. 316 |
| BABIGHIAN, G. 21 | HIRSH, S. K. 116 | RODENBURG, M. 319 |
| BAJAJ, J. S. 28 | HOUTGAST, T. 191 | |
| BARR, B. 426 | IGARASHI, Makoto 337 | SALA, O. 21 |
| BEAGLEY, H. A. 470 | KACKER, S. K. 28 | SALOMON, G. 150 |
| BEASLEY, D. S. 262 | KÜPPER, K. 350 | SHARRARD, G. A. W. 103 |
| BECK, O. 150 | KUPPERMAN, R. 318 | SHRINER, T. H. 262 |
| BEL, J. 70 | KUSAKARI, J. 364 | SHULMAN, A. 90 |
| BIRK-NIELSEN, H. 180 | | SJÖGREN, H. 47 |
| BRASIER, Vivienne J. 40 | LAGLER, F. 350 | SOHMER, H. 167 |
| BRIGDEN, D. N. 272 | LENHARDT, M. L. 174 | SOUS, H. 350 |
| BRIX, R. 481 | | SPOOR, A. 193, 221 |
| BURIAN, K. 481 | MACRAE, J. H. 272 | SPRENG, M. 137 |
| | MERLUZZI, F. 65 | STUPP, H. 350 |
| CANUT, Y. 70 | MICHAUX, P. 70 | SÛRIÁN, L. 394, 396, 460 |
| CAUSSE, J. 70 | MIYOSHI, T. 364 | SUZUKI, T. 129 |
| CODY, D. T. R. 1 | MOWRY, H. J. 242 | |
| | MÜLLER, G. 250 | TAPON, J. 70 |
| DAVIS, H. 55, 116, 464 | NAUNTON, R. F. 242 | THALMANN, I. 364 |
| DÉVALD, J. 396 | NEGREVERGNE, M. 488 | THALMANN, R. 364 |
| | NOBLE, W. G. 291 | TOLK, J. 319 |
| EAGLES, E. L. 438 | ODENTHAL, D. W. 191 | TOWNSEND, G. L. 1 |
| EDELMAN, Florence 90 | OSTERHAMMEL, P. A. 116 | |
| EGGERMONT, J. J. 191, 193, 221 | | VASILU, D. I. 101 |
| ELBERLING, C. 150 | PÁLFALVI, L. 396 | VERWEIJ, C. 319 |
| EWERTSEN, H. W. 180, 453 | PLATH, P. 34 | |
| | PLOMP, R. 190 | WALDON, E. F. 14 |
| FEINMESSER, M. 167 | POLS, L. C. W. 192 | WEDENBERG, E. 426 |
| FISCH, L. 411 | PORTMAN, M. 462 | WIER, C. C. 116 |
| GLORIG, A. 540 | | YOSHIE, N. 504 |
| GROEN, J. J. 188 | | ZERLIN, S. 242 |

Subject Index

- Acoustic nerve tumor 90
 - neurinoma 488
 - trauma 291
- Action potential, compound 137, 193
 - - , cochlear 167
 - - , whole-nerve 488, 504
- Acuity, pure-tone 291
- Acute noise-induced hearing loss 34
- Adaptation, auditory 34
 - , cochlear 193
- African 446
- Air-conduction audiometry 70
- Alport's syndrome 28
- Aminoglycoside antibiotics 350, 364
- Amplitude histogram 137
 - latency curves 488
 - , Na-Pa 242
 - , N_1 - P_2 1, 174
 - of N_{120} and P_{200} 250
- Anaesthesia in ERA 150
- Antibiotics 325, 337, 350
 - , aminoglycoside 350, 364
 - , ototoxic aminoglycosidic 383
- AP measurements in Menière's disease 504
 - threshold audiometry 504
- Artefact recognition in ERA 137
- Articulation index (AI) 272
- Assessment of the degree of hearing disability 65
- Attention 1
- Audiometer, speech 47
- Audiometric survey 438
- Audiometry, air-conduction 70
 - , AP threshold 504
 - , automatic 21
 - , Békésy 21
 - , bone-conduction 70
 - , cochlear 167
 - , Electric, Response (ERA) 1, 55, 103, 116, 129, 137, 150, 167, 174, 242, 250, 464, 470, 481, 488, 504
 - , equipment for speech 47
 - , identification 14
 - , objective bone-conduction 504
 - , pure-tone 291
 - , speech 47, 70, 272
- Audio-reflexometry 14
- Auditory adaptation 34
 - evoked potentials 174
 - , slow 250
 - , maturation of 1
- Auditory evoked responses 137, 464
 - - vertex potentials 116, 150
- Auditory genetics 28, 411, 426
 - handicap, compensation for 65
 - -, threshold of subjective 65
 - masking 221, 272
 - perception 262
 - threshold impairment 272
- Auro-palpebral reflex 14
- Automatic audiometry 21
- Averaged vertex response 1
- Binaural hearing 40
- Body equilibrium 337
- Bone-conduction audiometry 70
- Brain potentials 103, 167
- Caloric test 28
- Carhart notch 70
- Central auditory disorders, detection of 40
- Central hearing loss 488
- Central lesions 262
- Cerebello-labyrinthine dysfunction 90
- Cerebro-vascular disease 90
- Children, detection of hearing impairment
 - in 12, 55, 129, 150, 167, 411, 426, 438
- , hearing sensitivity in 438
- , sedation of young 55
- Chloramphenicol 350
- Chronic noise-induced hearing loss 34

- Click, filtered 116
 - stimulation, response to 488
 - , third-octave 242
- Cochlear action potentials 167
 - adaptation 193
 - audiometry 167
 - electrophysiology 193, 221
 - masking 221
 - sensory cells 383
- Community diagnosis of professional noise trauma 453
- Compensation for auditory handicap 65
- Compound action potential 137, 193, 221
- Conductive hearing loss 426
- Congenital hearing loss 411
- Conservation of hearing 438
- Construction of questionnaire 180
- Contingent Negative Variation (CNV) 103, 174, 481
- Control of revalidation 180
- Conventional speech audiometry 291
- Correlation score in ERA 150
- Cortical evoked potentials 103, 470
 - response, early evoked 242
- Critical bandwidth 242
- Cyanide 364

- Deafness, epidemiology of 394, 396, 411, 426, 438, 446, 453, 459, 460
- Degeneration nervi acustici professionalis 453
- Degrees of hearing loss 396
- Delayed Speech Feedback (DSFB) test 470
- Delta wave activity, index of 116
- Detectability of evoked response 129
- Detection of central auditory disorders 40
 - of hearing impairment in Children 12, 55, 129, 150, 167, 411, 426, 438
 - of non-organic hearing loss 470
- Diazepam in ERA 137
- Difference limen for intensity 34
- Differential vulnerability 396
- Discriminative Positive Variation (DPV) 481
- Diuretics 325
- Drugs, hearing loss due to 325

- Early evoked cortical response 242
- EEG stages of sleep 116
- Eighth nerve response 488
- Electric Response Audiometry (ERA) 55, 103, 116, 129, 137, 150, 167, 174, 242, 250, 464, 470, 481, 488, 504
- Electrocochleogram 464, 504
- Electro-cochleographic examination 462
 - response, types of 488
- Electrocochleography 167, 470, 488, 504
- Electrophysiological acoustics 462, 464, 470, 481, 488, 504
 - tests 470
- Electrophysiology, cochlear 193
- Embryology of the ear 101
- Epidemiology of deafness 394, 396, 411, 426, 438, 446, 453, 459, 460
 - of hearing loss 396, 426
- Equilibrium, body 337
- Equipment for speech audiometry 47
- ERA, anaesthesia in 150
 - , artefact recognition in 137
 - , correlation score in 150
 - , Diazepam in 137
 - , errors in 150
 - , role of sedation in 150
 - , sedatives of 129
 - , selective average in 150
 - , template in 150
- Errors in ERA 150
- Erythrocin 350
- Ethacrynic acid 364
- Everyday hearing 291
- Evoked-response patterns 116
- Exposure, white noise 34

- False-positive rate 116
- Fatigue 34
- Filtered clicks 116
- Forward masking 221
- Functional hearing impairment 1

- Genetic counselling 411
- Genetics, auditory 28, 411, 426
- Geographic 446
- Guinea pig 193, 221, 383

- Handicap index, social hearing 180
- , subjective feeling of 180
- Hearing, conservation of 438
 - disability, assessment of the degree of 65
 - disorders, incidence of 453
 - impairment, functional 1
 - loss, acute noise-induced 34
 - and age 396
 - , central 488
 - , chronic noise-induced 34
 - , conductive 426
 - , congenital 411
 - , degrees of 396
 - , detection of non-organic 470
 - due to drugs 325
 - , epidemiology of 396, 426
 - , hereditary 101
 - , high-tone 426
 - , noise-induced 291, 453
 - , prevalence of 396, 411
 - , prevention of 411
 - , progressive 426
 - , pure organic 470
 - , sensorineural 28, 325, 426, 446
 - , sudden 250
 - , temporary post-stapedectomy 21
 - level, three-frequency average 272
 - screening test 426
 - sensitivity in children 438
 - survey 438, 446
- Hereditary hearing loss 101
- High-tone hearing loss 426
- Histogram, amplitude 137
- Histopathology of internal ear 383
- Hit rate 116
- Hungary 396
- Identification audiometry 14
- Incidence of hearing disorders 453
- Index of delta wave activity 116
- Intensity, difference limen for 34
- Internal ear, histopathology of 383
- Interstimulus interval 262
- Jamaica 446
- Language evoked potentials 103
- Latencies for N_1 and P_2 , peak 1
- Latency curves, amplitude 488
 - variability 137
- Lip-reading ability 180
- Localization response to stimuli 14
- Low fence 65
- Loudness recruitment 34, 488
- Masking, auditory 221, 272
 - , cochlear 221
 - , forward 221
- Maturation of auditory-evoked potentials 1
- Maximum speech discrimination 272
- Menière's disease 90
 - , AP measurements in 504
- Microchemical techniques 364
- Middle ear mastoid 90
- Modifications of speech audiometry 40, 262
- Moro reflex 14
- Na-Pa amplitude 242
- Nerve-fiber populations 193
- Noise-induced hearing loss 291, 453
- Noise trauma, community diagnosis of professional 453
- N_1 - P_2 amplitude 1, 174
- Nystagmus, postrotatory 337
- Objective bone-conduction audiometry 504
 - speech audiometry 481
- Otitis, viral acute haemorrhagic 21
- Otosclerosis surgery 70
- Ototoxic aminoglycosidic antibiotics 383
 - mechanisms 383
- Ototoxicity 325, 350, 364, 383
 - , vestibular 337
- Outer sulcus, tissues of the 383
- Patterns of subtractive loss 504
- Peak latencies for N_1 and P_2 1
- Pittsburgh study 438
- Polymyxin 350
- Population studies 396
- Postrotatory nystagmus 337

- Presbycusis 65
- Prevalence of hearing loss 396, 411
- Prevention of hearing loss 411
- Progressive hearing loss 426
- Pure organic hearing loss 470
- Pure-tone acuity 291
 - audiometry 291
- Questionnaire, construction of 180
- Random stimulus presentation 250
- Recruitment 464
- , loudness 34, 488
- Reflex, auro-palpebral 14
 - , Moro 14
 - threshold, stapedial 470
- Response bias of patients 180
 - to click stimulation 488
- Revalidation, control of 180
- Salicylates 325, 364
- Screening test, hearing 426
- Sedation in ERA, role of 150
 - of young children 55
- Sedatives for ERA 129
- Selective average in ERA 150
- Sensorineural hearing loss 28, 325, 426, 446
- Sensory cells, cochlear 383
- Sentential approximations 262
 - -, temporally distorted 262
- Sex ratio 396
- Signal detection theory 116
- Simulation, conscious 470
 - , subconscious 470
- Sleep, EEG stages of 116
- Slow auditory evoked potential 250
- Social hearing handicap index 180
- Sonomotor response 464
- Speech audiometer 47
 - audiometry 47, 70, 272
 - -, conventional 291
 - -, modifications of 40, 262
 - -, objective 481
 - discrimination, maximum 272
- Speech-hearing ability 291
- Speech-level instrument 47
- Speech reception, everyday 272
 - Weber test 70
- Spiral ligament and prominence 383
- Squirrel monkey 337
- Stapedial reflex threshold 470
- Stimulus duration, effects of 250
 - presentation, random 250
- Stria vascularis 383
- Subjective feeling of handicap 180
- Sudden hearing loss 250
- Survey, audiometric 438
 - , hearing 438, 446
- Template in ERA 150
- Temporally distorted sentential approximations 262
- Temporary post-stapedectomy hearing loss 21
- Tetracycline 350
- Tissues of the outer sulcus 383
- Three-frequency average hearing level 272
- Threshold audiometry AP 504
 - impairment, auditory 272
 - of subjective auditory handicap 65
- , stapedial reflex 470
- Trauma, acoustic 291
- Verbal association, effects of 174
- Vestibular (Reissner's) membrane 383
- Vestibulotoxicity 337
- Vertex off- and on-response 1
 - potentials 464
 - -, auditory evoked 116, 150
- Viral acute haemorrhagic otitis 21
- Vulnerability, differential 396
- War veterans 272
- Weber test, speech 70
- White noise exposure 34
- Whole-nerve action potential 488, 504
- Word duration 262

Vol. 12, 1973

Audiology

Audiology · Journal of Auditory Communication
Audiologie · Journal de la Communication Auditive

Official Organ of the International Society of Audiology
Organe officiel de la Société Internationale d'Audiologie

Published by the Executive Committee on behalf of the International Society of Audiology
Publié par le Comité Exécutif au nom de la Société Internationale d'Audiologie

P. BERRUECOS, Mexico
E. BOCCA (President), Italy
G. FLOTTORP, Norway
J. GARCIA GOMEZ, Colombia
A. GLORIG, USA
R. HINCHCLIFFE (Secretary-General),
United Kingdom
I. HIRSH, USA
J. D. HOOD, United Kingdom
Y. P. KAPUR, India

W. D. KEIDEL, Western Germany
I. KIRIKAE, Japan
E. KÖNIG (Assistant Secretary-General),
Switzerland
G. LIDÉN, Sweden
P. PIALOUX, France
B. DE QUIROS, Republic of Argentina
P. SCHMIDT, The Netherlands
L. SURJÁN, Hungary
P. TRENQUE (Vice-President), France
W. D. WARD, USA

Editorial Board · Comité de Rédaction
Editor-in-Chief · Rédacteur en chef: E. KÖNIG, Switzerland
Members · Membres: A. GLORIG, USA
R. HINCHCLIFFE, United Kingdom
P. TRENQUE, France

Reviewers · Critiques
R. CHOCHOLLE, France
H. DAVIS, USA
H. ENGSTRÖM, Sweden
J. D. HOOD, United Kingdom

J. JERGER, USA
W. D. KEIDEL, Western Germany
I. KIRIKAE, Japan
W. D. WARD, USA



S. Karger · Basel · München · Paris · London · New York · Sydney

Audiology

S. Karger · Basel · München · Paris · London · New York · Sydney
Arnold-Böcklin-Strasse 25, CH-4011 Basel (Switzerland)

Permission is hereby granted by this Journal for anyone to reproduce the whole or a part of any paper in this volume if he obtains permission from its author(s) and credit is given the author(s) and this Journal; permission from the Editor-in-Chief is also required.

© Copyright 1973 by International Society of Audiology, Geneva
Printed in Switzerland by Buchdruckerei Werner & Bischoff, Basel

Contents

CODY, D. T. R. and TOWNSEND, G. L.: Some Physiologic Aspects of the Averaged Vertex Response in Humans	1
WALDON, E. F.: Audio-Reflexometry in Testing Hearing of Very Young Children	14
SALA, O. and BARBIGHIAN, G.: Automatic versus Standard Audiometry	21
KACKER, S. K. and BAJAJ, J. S.: Audiometric Profile in an Indian Family with Alport's Syndrome	28
PLATH, P.: The Difference Limen for Intensity as an Indicator for Adaptation and Fatigue in Auditory Function	34
BRASIER, VIVIENNE J.: A Binaural Integration Test	40
SJÖGREN, H.: Objective Measurements of Speech Level	47
MERLUZZI, F. and HINCHCLIFFE, R.: Threshold of Subjective Auditory Handicap	65
CAUSSE, J.; BEL, J.; MICHAUX, P.; CANUT, Y., and TAPON, J.: Measurement of the Precise Cochlear Reserve in Otosclerosis Value of Speech Weber Test	70
SHULMAN, A. and EDLEMAN, FLORENCE: Site of Lesion Testing. An Aid in the Early Diagnosis of Cerebro-Vascular Disease	90
VASILIU, D. I.: Embryogenèse morphofonctionnelle de l'audition et de la surdité héréditaire	101
SHARRARD, G. A. W.: Further Conclusions Regarding the Influence of Word Meaning on the Cortical Averaged Evoked Response in Audiology	103
OSTERHAMMEL, P. A.; DAVIS, H.; WIER, C. C., and HIRSH, S. K.: Adult Auditory Evoked Vertex Potentials in Sleep	116
SUZUKI, T.: Problems in Electric Response Audiometry (ERA) during Sedation	129
SPRENG, M.: Artefact Recognition and Diazepam in Electric Response Audiometry	137
SALOMON, G.; BECK, O., and ELBERLING, C.: The Role of Sedation in ERA from the Vertex	150
SOHMER, H. and FEINMESSER, M.: Routine Use of Electrocochleography (Cochlear Audiometry) on Human Subjects	167
LENHARDT, M. L.: Effects of Verbal Association on Averaged Auditory Evoked Response	174
EWERTSEN, H. W. and BIRK-NIELSEN, H.: Social Hearing Handicap Index. Social Handicap in Relation to Hearing Impairment	180
EGGERMONT, J. J. and SPOOR, A.: Cochlear Adaptation in Guinea Pigs. A Quantitative Description	193
EGGERMONT, J. J. and SPOOR, A.: Masking of Action Potentials in the Guinea Pig Cochlea, its Relation to Adaptation	221
ZERLIN, S.; NAUNTON, R. F., and MOWRY, H. J.: The Early Evoked Cortical Response to Third-Octave Clicks and Tones	242
MÜLLER, G.: Stimulus Duration and Input-Output Function of the Different Components of the Slow Auditory Evoked Potential	250

IV

Contents

BEASLEY, D. S. and SHRINER, T. H.: Auditory Analysis of Temporally Distorted Sentential Approximations	262
MACRAE, J. H. and BRIGDEN, D. N.: Auditory Threshold Impairment and Everyday Speech Reception	272

*Round Table Conferences of the**11th International Congress of Audiology, Budapest, October 4-6, 1972*

BALLANTYNE, JOHN: Ototoxicity. A Clinical Review	325
IGARASHI, MAKOTO: Vestibular Ototoxicity in Primates	337
STUPP, H.; KÜPPER, K.; LAGLER, F.; SOUS, H., and QUANTE, M.: Inner Ear Concentrations and Ototoxicity of Different Antibiotics in Local and Systemic Application	350
THALMANN, R.; MIYOSHI, T.; KUSAKARI, J., and THALMANN, I.: Quantitative Approaches to the Ototoxicity Problem	364
HAWKINS, E., jr.: Ototoxic Mechanisms. A Working Hypothesis	383
SURJÁN, L.: Introductory Remarks to the Round Table on Epidemiology of Deafness	394
SURJÁN, L.; DÉVALD, J., and PÁLFALVI, L.: Epidemiology of Hearing Loss	396
FISCH, L.: Epidemiology of Congenital Hearing Loss	411
BARR, B.; ANDERSON, H., and WEDENBERG, E.: Epidemiology of Hearing Loss in Childhood	426
EAGLES, E. L.: A Longitudinal Study of Ear Disease and Hearing Sensitivity in Children	438
HINCHCLIFFE, R.: Epidemiology of Sensorineural Hearing Loss	446
EWERTSEN, H. W.: Epidemiology of Professional Noise-Induced Hearing Loss ..	453
Discussion to the Round Table on Epidemiology of Deafness	459
SURJÁN, L.: Summing-up of the Round Table on Epidemiology of Deafness ...	460
PORTMANN, M.: Introduction to the Round Table on Electrophysiology: its Application in Clinical Audiology	462
DAVIS, H.: Classes of Auditory Evoked Responses	464
BEAGLEY, H. A.: The Role of Electro-Physiological Tests in the Diagnosis of Non-Organic Hearing Loss	470
BRIX, R. and BURIAN, K.: The Objectivation of Verbal Discrimination Ability. Further Investigations	481
ARAN, J.-M. et NEGREVERGNE, M.: Aspects cliniques de quelques formes pathologiques particulières des réponses du nerf auditif chez l'homme	488
YOSHIE, N.: Diagnostic Significance of the Electrocochleogram in Clinical Audiometry	504

Review

NOBLE, W. G.: Pure-Tone Acuity, Speech Hearing Ability and Deafness in Acoustic Trauma. A Review of the Literature	291
--	-----

Obituaries · Nécrologies

GROEN, J. J.: Prof. Dr. H. C. Huizing 1903-1972	188
RAINVILLE, M. J.: J. E. Fournier †	316
GLORIG, A.: Georg von Békésy 1899-1972	540

Transactions

DAVIS, H.: Sedation of Young Children for Electric Response Audiometry (ERA). Summary of a Symposium	55
---	----

Netherlands' Society of Audiology

PLOMP, R.: Timbre Differences between Complex Tones of Equal Loudness and Pitch	190
HOUTGAST, T.: Can a Strong Tone Suppress a Weaker One?	191
EGGERMONT, J. J. and ODENTHAL, D. W.: Electrophysiological Investigation of the Human Cochlea: Adaptation, Masking and Recruitment	191
POLS, L. C. W.: Do we Need Formants to Describe the Differences between Vowels?	192
KUPPERMAN, R.: Central and Peripheral Forms of Cochlear Adaptation	318
RODENBURG, M. and VERWEIJ, C.: Measurement of Auditory Evoked Potentials Elicited by Steady-State Stimuli	319
TOLK, J.: A Special Type of Hearing Disorder	319

Varia	321, 542
-------------	----------

Audi News No. 9	58
Audi News No. 10	323

Erratum	320
---------------	-----

Authors' Index	546
----------------------	-----

Subject Index	547
---------------------	-----